

INTERNATIONAL SEARCH REPORT

Application No

/GB2005/003970

A. CLASSIFICATION OF SUBJECT MATTER
H01H13/02 H01H9/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01H G06F H02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 201 408 A (TORMA ET AL) 13 April 1993 (1993-04-13) column 3, line 18 - column 6, line 60; figures 1-3	1-7, 17-20, 29-34
Y		8-16
Y		21-28
Y	EP 1 091 374 A (OMRON CORPORATION) 11 April 2001 (2001-04-11) paragraph '0018! - paragraph '0036!; figure 2	8-13
Y	EP 0 406 845 A (OTIS ELEVATOR COMPANY) 9 January 1991 (1991-01-09) page 4, line 1 - page 6, line 25; figures 2b,4,5	8-13
	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another claim or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

20 January 2006

Date of mailing of the international search report

31/01/2006

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Nieto, J.M.

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Application No
/GB2005/003970

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/144882 A1 (YAMAGUCHI TOSHINOBU) 10 October 2002 (2002-10-10) paragraph '0026! - paragraph '0029!; figure 1 -----	14-16
Y	EP 0 342 703 A (OMRON TATEISI ELECTRONICS CO; OMRON CORPORATION) 23 November 1989 (1989-11-23) column 8, line 19 - line 32; figures 1,2 -----	21-23
Y	EP 0 463 285 A (NIHON KAIHEIKI INDUSTRIAL CO., LTD) 2 January 1992 (1992-01-02) column 2, line 41 - column 5, line 4; figure 3 -----	26,27
Y	US 6 310 308 B1 (WATSON JEFFREY ET AL) 30 October 2001 (2001-10-30) column 3, line 24 - column 4, line 5; figure 1 -----	24,25,28

INTERNATIONAL SEARCH REPORT

Information on patent family members

Application No

/GB2005/003970

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5201408	A	13-04-1993	NONE	
EP 1091374	A	11-04-2001	AU 4392499 A CN 1312948 A DE 69911407 D1 DE 69911407 T2 ES 2207235 T3 WO 9967799 A1 JP 3644258 B2 JP 2000011793 A US 6417469 B1	10-01-2000 12-09-2001 23-10-2003 01-07-2004 16-05-2004 29-12-1999 27-04-2005 14-01-2000 09-07-2002
EP 0406845	A	09-01-1991	AU 630717 B2 AU 5867590 A DE 69005927 D1 DE 69005927 T2 FI 96249 B HK 90794 A JP 2815986 B2 JP 3179624 A US 5039832 A ZA 9003591 A	05-11-1992 10-01-1991 24-02-1994 05-05-1994 15-02-1996 09-09-1994 27-10-1998 05-08-1991 13-08-1991 27-03-1991
US 2002144882	A1	10-10-2002	CN 1380668 A JP 2002304934 A	20-11-2002 18-10-2002
EP 0342703	A	23-11-1989	AT 157194 T DE 68928261 D1 US 4968860 A US 5165530 A	15-09-1997 25-09-1997 06-11-1990 24-11-1992
EP 0463285	A	02-01-1992	JP 4025124 U US 5134505 A	28-02-1992 28-07-1992
US 6310308	B1	30-10-2001	NONE	